



FLEXIBLE
SPECIALTY
PRODUCTS

ChemFlex-20

Material Specification

Material Description

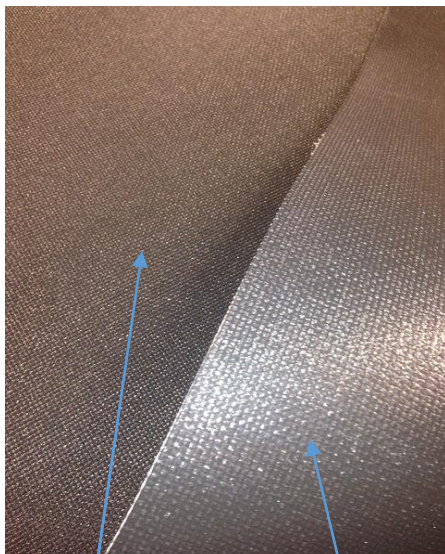
Our ChemFlex-20 expansion joint material includes a 20 mil inner PTFE gas barrier; the thickest in the industry. Primary use is for severe, corrosive applications requiring the highest level of protection. The outer layer is constructed of a PTFE coated fiberglass that provides the strength and durability required. These two layers are laminated together to form a strong, flexible composite material.

The ChemFlex-20 material can withstand continuous temperatures to 600F and is not affected by UV light. All ChemFlex materials are easily repaired on-site with a repair kit provided by FSP. Contact our sales staff to see if this is the correct material for your application



Construction:

PTFE Coated Woven Fiberglass load bearing component with 20 mil PTFE film laminated to interior side to form a 2 layer composite



PTFE Coated
Fiberglass Cloth

20 mil PTFE Gas Barrier

Physical Properties

Maximum Temperature: 600°F (316°C) Continuous

Minimum Temperature: -80°F (-62°C) Continuous

Weight: 79 oz/yd² (2679 g/m²)

Thickness: 0.060+(1.52 mm)

Tensile Strength (Warp): 1200 lbs/in (10508 N/50 mm)

Tensile Strength (Fill): 1200 lbs/in (10508 N/50 mm)

Maximum Pressure: 5 PSI (3518 mm wc)

Minimum Pressure: -3 PSI (-2110 mm wc)

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This information supplied in good faith and is based on information currently available. Contact a sales representative at FSP to verify suitability to specific applications and design conditions